

VOM MEERESBODEN ZUR ATMOSPHÄRE

ISOS-course

My Data - My Publication - My Rights?

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Data

- Data life cycle
- Publication of data: When? Where? Why? How?
- Publication of software
- Data management services and contact persons

Publications

- Publication of your article: Where? How?
- Specific legal frameworks of the top journals in YOUR field for future publications
- Library services and contact persons

- DFG: Gute wissenschaftliche Praxis (10 years)
- EU: Data pilot, Data management plans
- Helmholtz: data guidelines until end of 2018, still in progress at GEOMAR
- GEOMAR: rules in your working contract

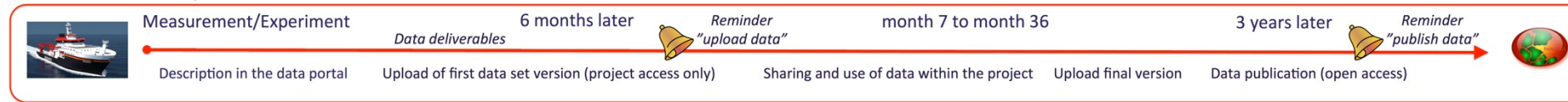
§ 5 Employee Inventions / Copyrights and Other Protective Rights

(2) The employer shall be reserved the sole, regional, and objective rights of use and exploitation of the work unlimited in time subject to copyrights or other protective rights...

(3) For scientific publications the employee shall be authorized to decide on the kind of initial publication.

- your department: examples of best practise

Data curation process

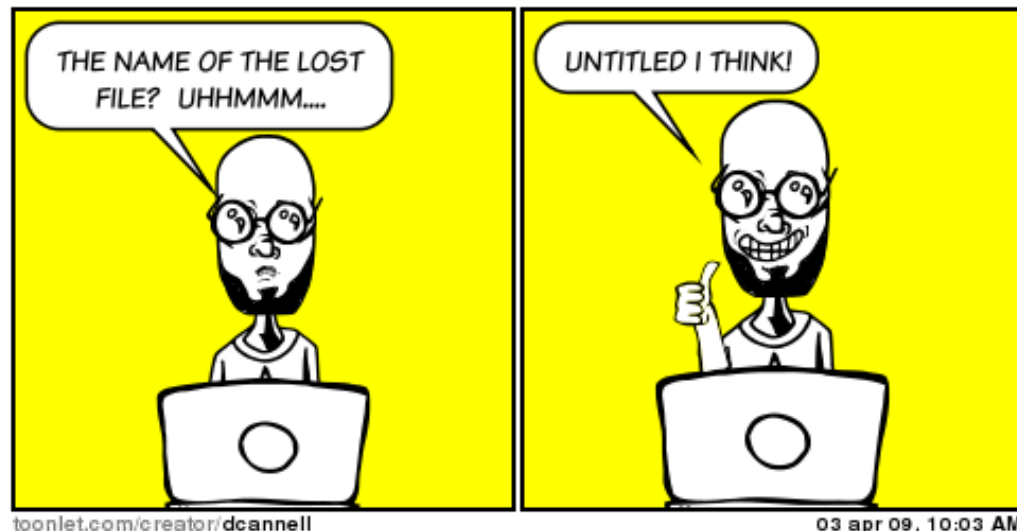


- Data Management Plan

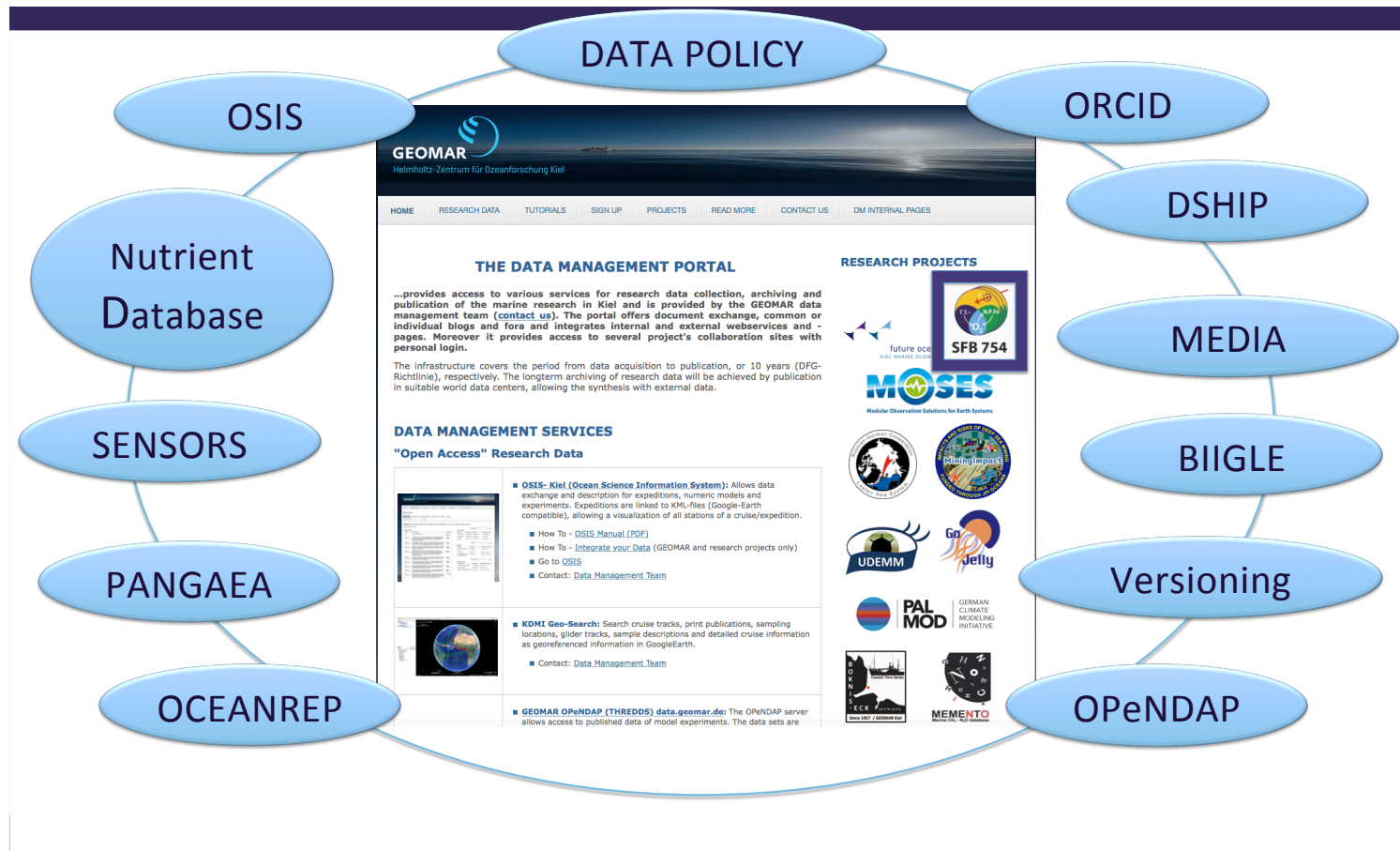
- Measurement /(Model) Experiment
- Description (Metadata)
- Analysis
- Sharing
- Publication

METADATA - WHAT?

- **Where:** latitude, longitude, depth / height
- **When:** date and time in UTC!
- **How:** gear, method, cruise, lab, model code
- **Who:** person with contact address (email)
- **Identifier:**
 - event id (from stationlist),
 - custom label only additional
 - model version



03 apr 09, 10:03 AM



How to exchange data in a project/ working group?

- **PORTAL:** (<https://portal.geomar.de>)
- **OSIS:** Ocean Science Information System (<https://portal.geomar.de/osis>)
- **Subversion / Git:** Versioning systems
- **FILE SYSTEMS** in working groups
- **GEOMAR cloud**

Publication of data: When, where, why and how?

WHERE:

- Data centres: PANGAEA, GenBank, WDCC...
- Other repositories: zenodo, dryad, ...
- NOT recommended: supplementary material on the publisher's website

WHY:

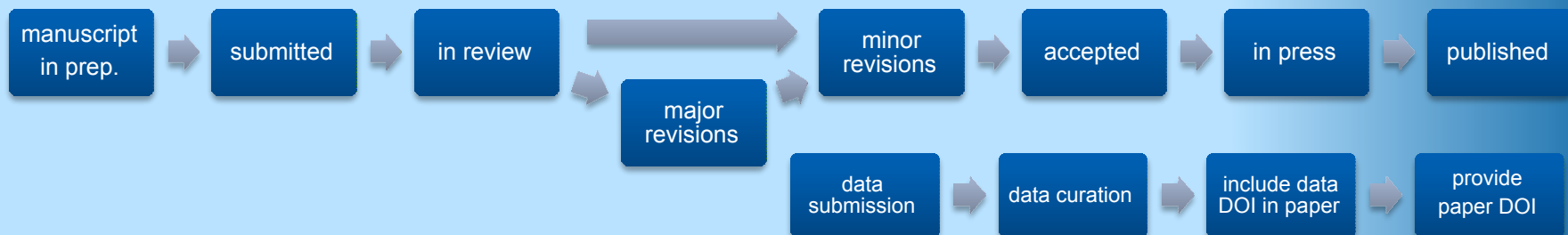
- The publisher ask for it
- The funder ask for it
- Your impact is more visible

HOW:


- Tutorials on portal.geomar.de

Paper Publication Workflow: Timeline for data submission

- Contact the DM while preparing the manuscript
- Prepare the data submission carefully and answer questions of the curator
- Include a specific link to the data (doi) into the manuscript, **don't** use a general URL like www.pangaea.de or data.geomar.de
- Please provide the doi of the paper when published



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Particulate matter flux interception in oceanic mesoscale eddies by the polychaete *Poeobius* sp..

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Tools

RDF+XML

Export


Christiansen, Svenja, **Hoving, Henk-Jan T.**, **Schütte, Florian**, **Hauss, Helena**, **Karstensen, Johannes**, **Körtzinger, Arne**, **Schröder, Simon-Martin**, **Stemmann, Lars**, **Christiansen, Bernd**, **Picheral, Marc**, **Brandt, Peter**, **Robison, Bruce**, **Koch, Reinhard** and **Kiko, Rainer** (2018) *Particulate matter flux interception in oceanic mesoscale eddies by the polychaete *Poeobius* sp..* **Limnology and Oceanography**, 63 (5). pp. 2093-2109. DOI [10.1002/lno.10926](https://doi.org/10.1002/lno.10926).



Text
Christiansen_et_al-2018-Limnology_and_Oceanography.pdf - Published Version
Available under License Creative Commons: Attribution-Noncommercial 4.0.
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Official URL: <https://dx.doi.org/10.1002/lno.10926>

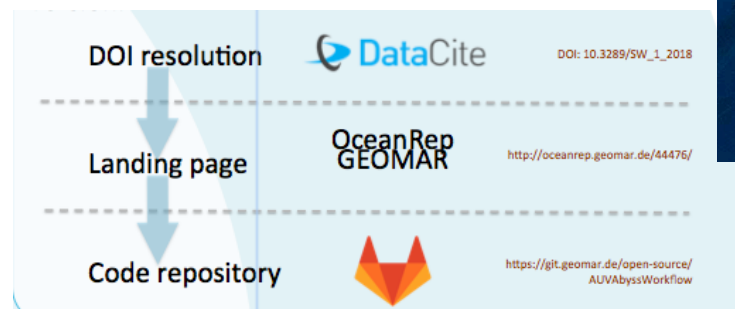
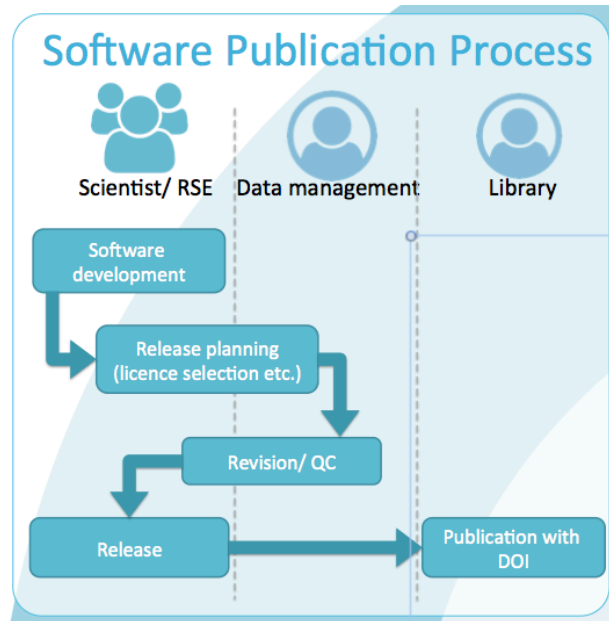
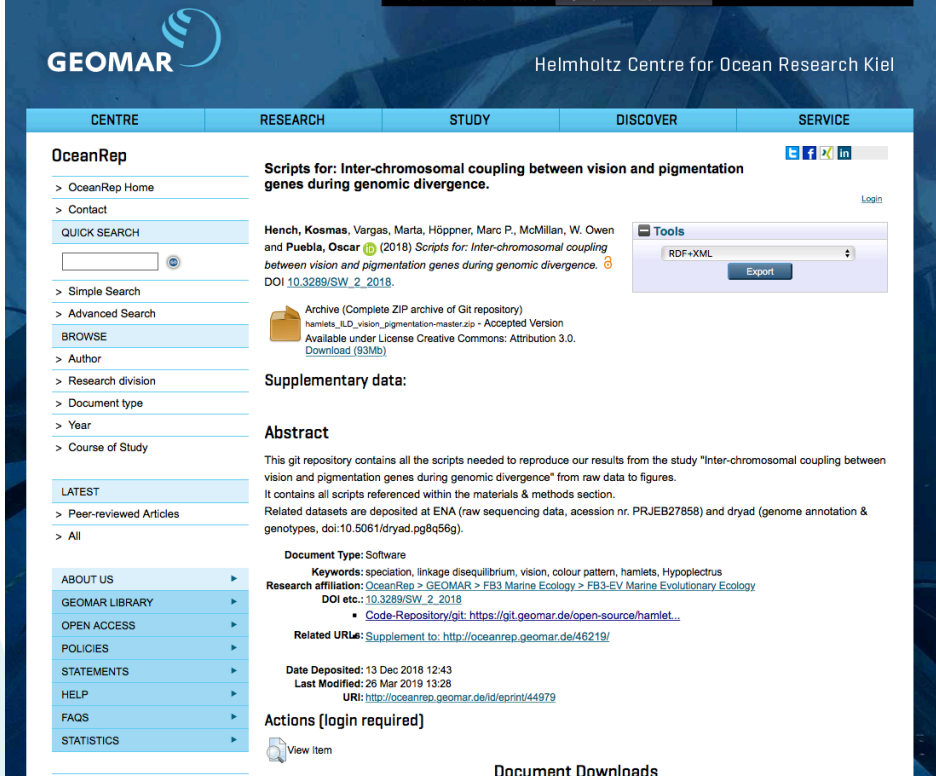
Supplementary data:



Abstract

Gelatinous zooplankton hold key functions in the ocean and have been shown to significantly influence the transport of organic carbon to the deep sea. We discovered a gelatinous, flux-feeding polychaete of the genus *Poeobius* in very high abundances in a mesoscale eddy in the tropical Atlantic Ocean, where it co-occurred with extremely low particle concentrations. Subsequent analysis of an extensive in situ imaging dataset revealed that *Poeobius* sp. occurred sporadically between 5°S–20°N and 16°W–46°W in the upper 1000 m. Abundances were significantly elevated and the depth distribution compressed in anticyclonic modewater eddies (ACMEs). In two ACMEs, high *Poeobius* sp. abundances were associated with strongly reduced particle concentrations and fluxes in the layers directly below the polychaete. We discuss possible reasons for the elevated abundances of *Poeobius* sp. in ACMEs and provide estimations showing that a single zooplankton species can completely intercept the downward particle flux by feeding with their mucous nets, thereby substantially altering the biogeochemical setting within the eddy.

Document Type: Article

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Scripts for: Inter-chromosomal coupling between vision and pigmentation genes during genomic divergence.

Hench, Kosmas, Vargas, Marta, Höppner, Marc P., McMillan, W. Owen and Puebla, Oscar (2018) *Scripts for: Inter-chromosomal coupling between vision and pigmentation genes during genomic divergence.* DOI: 10.3289/SW_2_2018.

Archive (Complete ZIP archive of Git repository)
hamlets_ILD_vision_pigmentation-master.zip - Accepted Version
Available under License Creative Commons: Attribution 3.0.
[Download \(93Mb\)](#)

Supplementary data:

Abstract

This git repository contains all the scripts needed to reproduce our results from the study "Inter-chromosomal coupling between vision and pigmentation genes during genomic divergence" from raw data to figures. It contains all scripts referenced within the materials & methods section. Related datasets are deposited at ENA (raw sequencing data, accession nr. PRJEB27858) and dryad (genome annotation & genotypes, doi:10.5061/dryad.pg8q56g).

Document Type: Software

Keywords: speciation, linkage disequilibrium, vision, colour pattern, hamlets, Hypocletrus

Research affiliation: OceanRep > GEOMAR > FB3 Marine Ecology > FB3-EV Marine Evolutionary Ecology

DOI etc.: 10.3289/SW_2_2018

- Code-Repository/git: <https://git.geomar.de/open-source/hamlet...>

Related URL: [Supplement to: http://oceanrep.geomar.de/446219/](http://oceanrep.geomar.de/446219/)

Date Deposited: 13 Dec 2018 12:43
Last Modified: 28 Mar 2019 13:28
URI: <http://oceanrep.geomar.de/id/eprint/44979>

Actions [login required]

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Document Downloads

Who is who in the data management team (KDMT)

- Hela Mehrtens: OSIS, OceanRep, databases, PANGAEA, ...
 - Pina Springer: Portal, CurationDIS, bathymetry, PANGAEA, ...
 - Lisa Paglialonga: tutorials, publish model output, ...
 - Claas Faber: Python NB, publish software ...
 - Carsten Schirnack: DSHIP, PostgreSQL, ProxSys, Git, ...
-
- Thilo Paul-Stüve, CAU (central research data management)
 - Dirk Fleischer, CAU (KMS – data and information management)
 - Stella Thoben, Franziska Weng (SynFO)
 - Mirl Trösch, Axel Dennert (UniLLAP)
 - Emanuel Söding

- GEOMAR data policy
- data templates for research units

GEOMAR FE-Datenverantwortliche





Forschungseinheit	FE-Datenverantwortliche
FB1-ME: Maritime Meteorologie	Dr. Thomas Martin
FB1-P-OZ: Paläo-Ozeanographie	Dr. Christopher Siebert
FB1-PO: Physikalische Ozeanographie	Dr. Gerd Krahmann
FB1-OD: Ozeandynamik	Dr. Markus Scheinert
FB2-BM: Biogeochemische Modellierung	Dr. Iris Kriest
FB2-BI: Biologische Ozeanographie	Dr. Michael Meyerhöfer
FB2-CH: Chemische Ozeanographie	Dr. Toste Tanhua
FB2-MG: Marine Geosysteme	Prof. Dr. Jens Greinert
FB3-EV: Marine Evolutionsökologie	Dr. Till Bayer
FB3-EOE-B: Experimentelle Ökologie - Benthosökologie	PD Dr. Frank Melzner
FB3-MN: Marine Naturstoffchemie	Dr. Martina Blümel
FB3-MS: Marine Symbiosen	Dr. Beate Slaby
FB3-OEB: Ökosystembiologie des Ozeans	Dr. Birte Matthiessen
FB4-GDY: Marine Geodynamik	Dr. Cord Papenberg
FB4-MUHS: Magmatische und hydrothermale Systeme	Dr. Nico Augustin

Where and how do I publish?





- „Traditional“ Journals (commercial) (pay for journal to have access)
- Hybrid (= open access article in a traditional journal, additional payment for OA)
- Open Access Journals (author pays for publication of the article – everybody has access)
- „Second publication right“ (Green open access) (e.g. final draft, in repository – no costs)

What is the difference...?



Traditional (Commercial)

-  Copyright goes to publisher Mostly author only pays for coloured fig. (depends on publisher)
-  publishing in a traditional journal takes sometimes years
-  Doesn't meet requirements from funder
-  Less citations because limited access






Hybrid

-  Double payment: Author pays for OA-option (~3000-5000 (!) Euro per article) and people pay for journal publishing in a traditional journal takes sometimes years
-  Some funder don't accept Hybrid publications
-  Free access to results of publicly funded research
-  Greater visibility and citation frequency (Evaluation!)

OA

-  Author keeps copyright
-  Author pays for publication (~1500 Euro per article)
-  Free access to results of publicly funded research
-  Greater visibility and citation frequency (Evaluation!)
-  The author can decide which license
-  Article is made public very quickly
-  Good findability via search engines and reference services
-  Open peer-review process
-  Open discussion: the work is immediately published so nobody else can steal your results
-  Meets requirement from funder
-  Often funder refund APCs

Second publ.

-  OA immediately or after embargo
-  => not easy to find out on publishers websites
-  Author pays nothing
-  Meets requirements from funder
-  Not final publishers version – missing volume and pagenumbers in pdf

Different funder have different requirements

- EU
=> open access **mandatory**
- BMBF
=> „**should be** published on an open-access basis“
- DFG
=> „**should be** published on an open-access basis“
- Others?

⇒ Most of the funder refund the APCs for open access – ask your contact person!
⇒ Or look it up: Research Funders' Open Access Policies: <http://v2.sherpa.ac.uk/juliet/>

- EU - OpenAIRE2020 will assist in **monitoring H2020 research outputs** and will be a key infrastructure **for reporting H2020's scientific publications**
- **Others:** OpenAire plans to monitor BMBF funded publications as well



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<http://www.sherpa.ac.uk/romeo/index.php>)
- Research Funders' Open Access Policies: <http://v2.sherpa.ac.uk/juliet/>
- Directory of Open Access Journals: <https://doaj.org/>
- Most important Open Access publishers for GEOMAR (with discount):
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 - MDPI: <http://www.mdpi.com/subject/environment>
 - PLOS: <https://www.plos.org/>
 - Frontiers: <https://www.frontiersin.org/>

And last but not least:
Be careful where you publish...

Predatory publishers

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Is it the right journal for your work?



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